

## ABSTRACT OF THE DISCLOSURE

A dielectric reproducing apparatus is provided with: a probe for applying an electric field to a dielectric material of a dielectric recording medium; a return electrode for returning the electric field applied from the probe; an inductor placed between the probe and the return electrode; an oscillator which oscillates at a resonance frequency determined from the inductor and a capacitance formed in the dielectric material just under the probe; an alternating current (AC) signal generation device for generating an AC signal which is applied to the probe; a frequency modulation (FM) demodulator for demodulating a FM modulation signal modulated by the capacitance corresponding to the polarization state owned by the dielectric material just under the probe; and a phase-shift keying (PSK) demodulator for reproducing data from the demodulated signal.